AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

- 1-10. (Canceled).
- 11. (Currently Amended) An apparatus for positioning a closure device within a passage, comprising:

an elongate member comprising a proximal end, a distal end, and a lumen extending between the proximal and distal ends defining a longitudinal axis;

a clip deliverable from the elongate member for sealing the passage; and

a selectively expandable locator member extending through the lumen, the locator member comprising a distal portion extending distally beyond the distal end of the elongate member, the distal portion comprising an elongate deflectable element comprising a helically wound wire extending between a proximal end and a distal end, and having an intermediate portion therebetween, and a control element eoupledfixedly connected to the distal portion of the deflectable element and extending along an outer surface of at least one coil of the helical wound wire and passing through at least one coil of the helical wound wire in a pre-deployed configuration, the control element extending from the distal portion to the proximal end of the expandable locator member and being movable axially for causing an intermediate portion of the deflectable element to buckle an intermediate portion of the deflectable element substantially transversely with respect to the longitudinal axis.

12. (Previously Presented) The apparatus of claim 11, wherein the control element comprises a tether extending along an outer surface of at least the intermediate portion of the helically wound wire.

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13. (Previously Presented) The apparatus of claim 12, wherein the intermediate

portion of the deflectable element has a cross-section in its buckled configuration that is larger

than a cross-section of the distal portion.

14. (Previously Presented) The apparatus of claim 11, further comprising an actuator

on a proximal end of the elongate member, the actuator coupled to the locator member, the

actuator configured for moving the control element proximally for buckling the intermediate

portion of the deflectable element.

15. (Previously Presented) The apparatus of claim 11, wherein the elongate member

and the selectively expandable locator member comprise cooperating detents for substantially

securing the selectively expandable locator member axially with respect to the elongate member

when the selectively expandable locator member is fully inserted into the elongate member.

16. (Previously Presented) The apparatus of claim 11, further comprising a housing

slidably disposed on an exterior of the elongate member, the housing configured for releasably

holding the clip, the housing being actuable for advancing the clip distally towards the distal end

of the elongate member for deploying the clip.

17-20. (Canceled).

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21. (Currently Amended) An apparatus for delivering a closure element into a

passage communicating with an opening into a body lumen, comprising:

an elongate member comprising proximal and distal ends and defining a longitudinal

axis;

a housing slidably coupled to the elongate member, the housing configured for releasably

holding a closure element, the closure element comprising a clip; and

a locator member coupled to the elongate member, the locator member having a distal

portion extending distally beyond the distal end of the elongate member, the distal portion

comprising helically wound wire comprising a proximal end, a distal end, and an intermediate

portion therebetween, and a control element coupled fixedly connected to the distal end of the

helically wound wire, the control element extending from the distal portion to the proximal end

of the expandable locator member and between a first pair of adjacent uniform coils of the

helical wound wire and along an outer surface of at least one coil of the helical wound wire and

passing between a second pair of adjacent uniform coilsthrough at least one coil of the helical

wound wire in a pre-deployed configuration and being movable axially for eausing the

intermediate portion of the helically wound wire to buckle the intermediate portion of the

helically wound wire substantially transversely with respect to the longitudinal axis.

22. (Original) The apparatus of claim 21, wherein the control element comprises a

tether extending along an outer surface of at least the intermediate portion of the helically wound

wire.

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23. (Original) The apparatus of claim 21, wherein the elongate member and the

locator member include cooperating detents for substantially securing the locator member axially

with respect to the elongate member.

24. (Original) The apparatus of claim 21, further comprising an actuator coupled to

the housing, the actuator configured for advancing the housing distally to deploy a closure

element therefrom.

25. (Original) The apparatus of claim 21, further comprising a closure element

located within the housing.

26. (Canceled).

lumen using an elongate member comprising proximal and distal ends, and a closure element

deployable from the distal end of the elongate member, the method comprising:

providing a selectively expandable locator member coupled to the elongate member such

that a distal portion of the locator member extends distally beyond the distal end of the elongate

member;

advancing the distal end of the elongate member through a patient's skin towards the

body lumen via the passage until the distal portion of the locator member is located within the

body lumen;

moving a control element fixedly connected to a distal end of the deflectable element

coupled to a deflectable element to buckle the deflectable element on the distal portion of the

selectively expandable locator member from an axial collapsed configuration to a transverse

expanded configuration, the deflectable element comprising a helically wound wire extending

between a proximal end and a distal end and having an intermediate portion therebetween and

the control element extending from the distal portion to the proximal end of the expandable

locator member and extending along an outer surface of at least one coil of the helical wound

wire and passing through at least one coil of the helical wound wire in a pre-deployed

configuration;

manipulating the elongate member until the deflectable element in the expanded

configuration contacts a proximal wall of the body lumen, thereby providing a tactile indication

of a location of the distal end of the elongate member relative to the body lumen; and

deploying the closure element from the distal end of the elongate member within the

passage, the closure element comprising a clip.

28. (Previously Presented) The method of claim 27, further comprising withdrawing

the elongate member and the selectively expandable locator member from the passage, leaving

the closure element to substantially close the opening.

29. (Previously Presented) The method of claim 27, wherein the elongate member

comprises an introducer sheath, and wherein the method further comprises introducing one or

more instruments through the lumen of the sheath into the body lumen prior to performing the

steps of:

providing a selectively expandable locator member coupled to the elongate member such

that the distal portion of the locator member extends distally beyond the distal end of the

elongate member;

advancing the distal end of the elongate member through the patient's skin towards the

body lumen via the passage until the distal portion of the locator member is located within the

body lumen;

buckling the deflectable element on the distal portion of the selectively expandable

locator member from the axial collapsed configuration to the transverse expanded configuration,

the deflectable element comprising a helically wound wire extending between the proximal end

and the distal end;

manipulating the elongate member until the deflectable element in the expanded

configuration contacts the proximal wall of the body lumen, thereby providing the tactile

indication of the location of the distal end of the elongate member relative to the body lumen;

and

deploying the closure element from the distal end of the elongate member within the

passage.

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30. (Previously Presented) The method of claim 29, further comprising performing a

diagnostic or therapeutic procedure using the one or more instruments at a location accessed via

the body lumen.

31. (Previously Presented) The method of claim 30, wherein the body lumen

comprises a blood vessel, and wherein the procedure comprises at least one of angioplasty,

atherectomy, stent delivering, delivery of a therapeutic agent, and tissue ablation.

32-37. (Canceled).

38. (Previously Presented) The method of claim 27, wherein the deploying step

comprises advancing a housing distally along an exterior of the elongate member, the housing

having the closure element detachably held thereto.

39. (Original) The method of claim 38, wherein the housing is movable between a

proximal position and a distal position, the distal position being a predetermined distance from

the deflectable element in its expanded configuration.

lumen using a tubular member comprising proximal and distal ends and a lumen extending

therebetween, and a closure element deployable from the distal end of the tubular member, the

method comprising:

advancing the distal end of the tubular member through a patient's skin into the passage

towards the body lumen;

introducing a selectively expandable locator member into the lumen of the tubular

member until a distal portion of the locator member extends beyond the distal end of the tubular

member;

moving a control element coupled fixedly connected to a distal portion of a deflectable

element [[and]]to buckle the deflectable element of the distal portion of the selectively

expandable locator member from a collapsed configuration to a transversely expanded

configuration within the body lumen, the deflectable element comprising a helically wound wire

extending between a proximal end and a distal end and having an intermediate portion

therebetween and the control element extending from the distal portion to the proximal end of

the expandable locator member and extending along an outer surface of at least one coil of the

helical wound wire and passing through at least one coil of the helical wound wire in a pre-

deployed configuration;

manipulating the tubular member until the deflectable element in the expanded condition

contacts a proximal wall of the body lumen, thereby providing a tactile indication of a location of

the distal end of the tubular member relative to the body lumen; and

deploying the closure element from the distal end of the tubular member within the

passage, the closure element comprising a clip.

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41. (Previously Presented) The method of claim 40, wherein the selectively

expandable locator member is introduced into the lumen of the tubular member before the distal

end of the tubular member is advanced into the passage such that the distal portion of the

selectively expandable locator member is advanced through the passage into the body lumen as

the distal end of the tubular member is located into the passage.

42. (Previously Presented) The method of claim 40, wherein the selectively

expandable locator member is introduced into the lumen of the tubular member after the distal

end of the tubular member is advanced into the passage.

43-45. (Canceled).

46. (Previously Presented) The method of claim 40, wherein the deploying step

comprises advancing a housing distally along an exterior of the elongate member, the housing

having the closure element detachably held thereto.

lumen, the method comprising:

introducing a selectively expandable locator member into the passage until a distal

portion of the selectively expandable locator member extends into the body lumen;

moving a control element coupled fixedly connected to a distal portion of a deflectable

element to buckle the deflectable element on the distal portion of the selectively expandable

locator member from a collapsed configuration to a transversely expanded configuration within

the body lumen, the deflectable element comprising a helically wound wire extending between a

proximal end and a distal end and having an intermediate portion therebetween and the control

element extending from the distal portion to the proximal end of the expandable locator member

and extending along an outer surface of at least one coil of the helical wound wire and passing

through at least one coil of the helical wound wire in a pre-deployed configuration;

manipulating the selectively expandable locator member until the deflectable element in

the expanded condition contacts a proximal wall of the body lumen;

advancing a clip having tines which extend substantially axially and distally along the

selectively expandable locator member until the clip is disposed at a predetermined location

relative to the distal portion of the locator member;

returning the distal portion of the selectively expandable locator member from the

expanded condition to the collapsed configuration; and

withdrawing the locator member from the passage, leaving the clip in the passage.

48. (Previously Presented) The method of claim 47, wherein the step of introducing

the selectively expandable locator member comprises:

disposing a tubular member through a patient's skin into the passage until a distal end of

the tubular member is disposed proximate the body lumen;

introducing the selectively expandable locator member into a lumen of the tubular

member until the distal portion of the locator member extends beyond the distal end of the

tubular member into the body lumen.

49. (Original) The method of claim 48, further comprising withdrawing the tubular

member from the passage before advancing a clip into the passage.

50. (Canceled)

51. (Previously Presented) The method of claim 47, wherein the step of advancing a

clip comprises advancing an elongate member having the clip thereon into the passage over the

selectively expandable locator member, and wherein the method further comprises deploying the

clip from the elongate member at the predetermined location.

52-53. (Canceled).

54. (Previously Presented) The method of claim 51, wherein the selectively

expandable locator member and the elongate member comprise cooperating elements for

identifying when the closure device reaches the predetermined location.

55. (Previously Presented) The method of claim 54, wherein the cooperating elements

comprise a marker on the selectively expandable locator member having a predetermined

relationship with the distal portion of the selectively expandable locator member.

56. (Previously Presented) The method of claim 51, wherein the step of advancing a

clip comprises advancing a housing along the elongate member until the clip reaches the

predetermined location.

57-59. (Canceled)

60. (Previously Presented) The method of claim 47, wherein the clip comprises a

generally annular clip having tines which extend substantially axially and distally carried on an

exterior of the elongate member, and wherein advancing a clip along the selectively expandable

locator member until the clip is disposed at a predetermined location relative to the distal portion

of the locator member further comprises advancing the clip towards the distal end of the elongate

member until tines of the clip penetrate tissue adjacent the body lumen.

61. (Currently Amended) The method of claim [[60]]51, wherein the deflectable

element is collapsed during the deployment step.

62. (Previously Presented) The method of claim 61, wherein the elongate member

comprises a tubular member, and wherein the distal portion of the selectively expandable locator

member is retracted into the lumen after the deflectable element is collapsed.

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63. (Currently Amended) An apparatus for positioning a closure device within a

passage through tissue communicating with a body lumen, comprising:

an elongate member comprising a proximal end, a distal end, and a lumen extending

between the proximal and distal ends defining a longitudinal axis;

a clip deliverable from the elongate member for sealing the passage; and

a locator member extending through the lumen, the locator member comprising a distal

portion extending distally beyond the distal end of the elongate member, the distal portion

comprising an elongate deflectable element comprising a proximal end and a distal end, and a

control element coupled fixedly connected to a distal portion of the deflectable element, the

control element extending from the distal portion to the proximal end of the locator member and

being moveable axially for causing an intermediate portion of the deflectable element to buckle

an intermediate portion of the deflectable element substantially transversely with respect to the

longitudinal axis wherein the deflectable element comprises a helically wound wire extending

between the proximal and distal ends of the deflectable element and having an intermediate

portion therebetween, and wherein the control element comprises a tether extending along an

outer surface of at least the intermediate portion of the helically wound wire in a pre-deployed

configuration.

64. (Previously Presented) The apparatus of claim 63, wherein the intermediate

portion of the deflectable element has a cross-section in its buckled configuration that is larger

than a cross-section of the distal portion.

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65. (Previously Presented) The apparatus of claim 63, further comprising an actuator

on a proximal end of the elongate member, the actuator coupled to the locator member, the

actuator configured for moving the control element proximally for buckling the intermediate

portion of the deflectable element.

66. (Previously Presented) The apparatus of claim 63, wherein the elongate member

and the locator member comprise cooperating detents for substantially securing the locator

member axially with respect to the elongate member when the locator member is fully inserted

into the elongate member.

67. (Previously Presented) The apparatus of claim 63, further comprising a housing

slidably disposed on an exterior of the elongate member, the housing configured for releasably

holding the clip, the housing being actuable for advancing the clip distally towards the distal end

of the elongate member for deploying the clip.

lumen using an elongate member comprising proximal and distal ends, and a closure element

deployable from the distal end of the elongate member, the method comprising:

coupling a locator member to the elongate member such that a distal portion of the

locator member extend distally beyond the distal end of the elongate member;

advancing the distal end of the elongate member through a patient's skin towards the

body lumen via the passage until the distal portion of the locator member is located within the

body lumen;

moving a control element coupled fixedly connected to a distal portion of a deflectable

element to buckle the deflectable element comprising a helically wound wire on the distal

portion of the locator member from an axial collapsed configuration to a transverse expanded

configuration, the helically wound wire extending between a proximal end and a distal end and

having an intermediate portion therebetween and the control element extending from the distal

portion to the proximal end of the locator member and extending along an outer surface of at

least one coil of the helical wound wire and passing through at least one coil of the helical wound

wire in a pre-deployed configuration;

manipulating the elongate member until the deflectable element in the expanded

configuration contacts a proximal wall of the body lumen, thereby providing a tactile indication

of a location of the distal end of the elongate member relative to the body lumen; and

deploying the closure element from the distal end of the elongate member within the

passage, the closure element comprising a clip.

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69. (Previously Presented) The method of claim 68, further comprising withdrawing

the elongate member and the locator member from the passage, leaving the closure element to

substantially close the passage.

70. (Previously Presented) The method of claim 68, wherein the elongate member

comprises an introducer sheath, and wherein the method further comprises introducing one or

more instruments through the lumen of the sheath into the body lumen.

71. (Previously Presented) The method of claim 70, further comprising performing a

diagnostic or therapeutic procedure using the one or more instruments at a location accessed via

the body lumen.

72. (Previously Presented) The method of claim 70, wherein the body lumen

comprises a blood vessel, and wherein the procedure comprises at least one of angioplasty,

atherectomy, stent delivery, delivery of a therapeutic agent, and tissue ablation.

73. (Canceled)

74. (Previously Presented) The method of claim 68, wherein the deploying step

comprises advancing a housing distally along an exterior of the elongate member, the housing

having the closure element detachably held thereto.

75. (Previously Presented) The method of claim 74, wherein the housing is movable

between a proximal position and a distal position, the distal position being a predetermined

distance from the deflectable element in its expanded configuration.

76-80. (Canceled).

81. (Previously Presented) The method of claim 32, wherein the control element

comprises a tether extending along an outer surface of at least the intermediate portion of the

helically wound wire.

82. (Previously Presented) The method of claim 40, wherein the buckling step

comprises directing a control element coupled to the distal end of the helically wound wire

proximally, the control element comprising a tether extending along an outer surface of at least

the intermediate portion of the helically wound wire.

83. (Previously Presented) The method of claim 47, wherein the buckling step

comprises directing a control element coupled to the distal end of the helically wound wire

proximally, the control element comprising a tether extending along an outer surface of at least

the intermediate portion of the helically wound wire.

84. (Previously Presented) The method of claim 73, wherein the control element

comprises a tether extending along an outer surface of at least the intermediate portion of the

helically wound wire.

85. (Previously Presented) The apparatus of claim 21, wherein at least a portion of the

helically wound wire is configured to communicate with the body lumen.

86. (Previously Presented) The method of claim 27, wherein at least a portion of the

helically wound wire communicates with the body lumen when the helically wound wire is in the

transverse expanded configuration.

87. (Previously Presented) The method of claim 40, wherein at least a portion of the

helically wound wire communicates with the body lumen when the helically wound wire is in the

transversely expanded configuration.

88. (Previously Presented) The method of claim 47, wherein at least a portion of the

helically wound wire communicates with the body lumen when the helically wound wire is in the

transversely expanded configuration.

89. (Previously Presented) The apparatus of claim 63, wherein at least a portion of the

helically wound wire is configured to communicate with the body lumen.

90. (Previously Presented) The method of claim 68, wherein at least a portion of the

helically wound wire communicates with the body lumen when the helically wound wire is in the

transverse expanded configuration.